

**ENGINEERING AND RELATED SERVICES**  
**March 16, 2012**

**CONTRACT NO. 4400002862**  
**RETAINER CONTRACT FOR PROFESSIONAL**  
**HYDROGRAPHIC SURVEYING SERVICES**  
**STATEWIDE**

Under Authority granted by Title 48 of Louisiana Revised Statutes, the Louisiana Department of Transportation and Development (DOTD) hereby issues a Request for Qualification Statements (RFQ) on DOTD Form 24-102 (24-102), "Professional Engineering and Related Services", revised November 2011, from Consulting Firms (Consultant) to provide engineering and related services. **All requirements of Louisiana Professional Engineering and Land Surveying (LAPELS) Board must be met at the time of submittal.** One Prime-Consultant/Sub-Consultant(s) (Consultant/Team) will be selected for this Contract.

The Consultant will be required to obtain Title Research Reports necessary to perform the property surveys and right-of-way map preparation. Sub-Consultants will be allowed on this work, but will not be considered in the selection process.

**Project Manager** – Mr. Joe Arretteig

All inquiries concerning this advertisement should be sent in writing to Alan.Dale@LA.gov.

**PROJECT DESCRIPTION**

The selected Consultant will perform engineering and related services for statewide projects, with the majority of the services being in Districts 04, 05, 08 and 58, covered by a Retainer Contract under separate Task Orders. The Consultant will be required to execute a Task Order which will specify the scope of services, contract time, and compensation. Each Task Order will become a part of the Retainer Contract.

**SCOPE OF SERVICES**

The services to be rendered for this Retainer Contract shall consist of the following Stage(s) and Part(s):

**STAGE 3: DESIGN**

**Part I: Surveying Services**

**Part I (a) Topographic Survey** shall consist of all services required to make a complete topographic survey, in English units of measure, as required for the proper design and layout of the Project. The DOTD's requirements which shall govern this survey are

specified in the current edition of the DOTD's Location and Survey Manual, although currently acceptable surveying standards and methods, as approved by the Location and Survey Administrator, may be used. The Consultant shall request, in writing, from the Project Manager a copy of this manual for the Consultant's information and guidance as to normal DOTD procedures in the conduct of topographical surveys. Deviations from the normal procedures must be authorized in writing by the Project Manager.

The survey shall include, but not be limited to the staking of centerline when required and when physically possible and, where this is not possible, to the running of all ground traverses necessary to compute and establish centerline. Aerial photogrammetry may be used when feasible and by written agreement with the DOTD in developing the topographic surveys. This work shall include, for the control of the field survey and later use, the establishment of referenced iron rods along the Project, as may be necessary, to define the centerline and of a referenced system of bench marks on a closed level circuit. The survey shall also include the location and establishment of ownership of all utilities in the way of construction as specified in the manual. The Consultant's attention is specifically directed to the requirement in the manual whereby a sketch of the survey line shall be submitted to the DOTD Location and Survey Administrator for approval immediately after the initial establishment of said line and prior to proceeding further with the survey. The Project survey control and horizontal alignment shall be based on the Louisiana State Plane Coordinate System, (NAD-83-92), as determined by G.P.S. observation.

**Part I (b) Title Work** shall consist of obtaining the necessary Title Research Reports.

The term "Title Research Report" is defined as a report of the ownership of the current property owner(s) with addresses, acquisition data, assessment and tax information, description of the property, conveyances of full ownership, conveyances of other rights (servitudes, leases, restrictions, etc.), existing R/W, recorded plats, and copy of the last acquisition. One Title Research Report shall be obtained for each parcel.

**Part I (c) Property Survey- Part I (c) Property Survey-** Shall consist of all Investigations, Studies, and Field Property Surveys required for the preparation of Base R/W Map. The Field Property Survey shall be based on the same survey control as the Topographic Survey. Upon completion of the Property Survey, a notification of completion shall be furnished to the Department's Location and Survey Section. Along with this notification, the consultant shall submit to Location and Survey electronic copies of a sketch showing all surveyed property lines, an electronic text file showing coordinates and descriptions of all found property monuments, an electronic copy of all documents (plats, maps, etc.) used to determine property line locations, and an electronic copy of all Title Research Reports or Title Takeoffs used to determine Property Line locations.

**Part I (d) Title Updates** shall consist of obtaining Updates of the originally acquired Title Research Reports, if the Reports are more than six months old. These Updates shall

be used in the preparation of the final R/W Maps and also by the DOTD's Real Estate Section in acquiring title to the property required for the construction project.

**Part I (e) R/W Maps** shall consist of all services required to complete the Base and Final R/W Maps, described more specifically as follows:

The Base R/W Map shall show the adopted project centerline, all existing R/W, limits of construction, appropriate topography (residences, commercial buildings, structures, etc.), parcel line locations and ownerships, and required taking lines, with ties to the adopted project centerline. Individual parcel metes and bounds and precise area calculations are not required at this time, however, the approximate area of each required parcel and remaining area shall be determined and shown on the Base Map. These Maps shall be in the same standard format and shall form the basis for the Final R/W Map. Specifically, this work shall be performed in accordance with all principles and objectives set forth in the latest issue of the DOTD's Location and Survey Manual, although currently acceptable surveying standards and methods, as approved by the Location and Survey Administrator, may be used. For purposes of a joint review meeting, the Base R/W Map along with one copy of each of the Title Reports used in preparation of the Base R/W Map, shall be furnished at approximately 60% completion, and reviewed by a DOTD Team. Appropriate revisions recommended for inclusion in the Final R/W Map shall be addressed by the Consultant.

The Final R/W Map preparation shall include all activities necessary to complete the Final R/W Map and shall be performed in accordance with the requirements specified in the latest issue of the DOTD's Location and Survey Manual. The Final R/W Map shall be the Base R/W Map as described above, and shall also include all revisions recommended by the Joint Review Team, parcel metes and bounds, parcel acquisition blocks, parcel areas, remaining areas, Lambert coordinates of all breaks in the required R/W and P.C.'s and P.T.'s of curves, and shall be accompanied by an electronic file containing the DOTD COGO program input commands for creating parcel descriptions suitable for use by the DOTD's Real Estate Section.

**Part I (f) Title Take-Off** is defined as a report of the deed of ownership of the current property owner, and all survey documents, (plats, maps, etc.) associated with the current ownership deed. One take-off shall be obtained for each parcel if necessary to expedite commencement of field work.

The original and three copies of the Title Research Reports and the original and three copies of all Title Updates shall be furnished to the Location and Survey Administrator along with the Final R/W Map submittal, for forwarding to the Real Estate Section.

### **Hydrographic Surveying Services**

The consultant will perform a hydrographic survey along designated bridges using standard survey methods and best surveying practices for data acquisition. The survey shall consist of running range lines at predetermined stations over the water and on the

banks. The occurrence of each survey of each bridge will be determined by DOTD schedule and will commence within a time period of 15 days before or after the scheduled date.

The survey will use predetermined horizontal points or positions along a range line. Consultant will use the latest DOTD hydrographic survey to recover or reestablish base lines and benchmarks. The consultant will be responsible for using and maintaining existing base lines and ranges.

The established DOTD Bench mark elevation for each bridge site project will be used. Consultant will be responsible for using and maintaining the project bench mark. The top of water elevation will be surveyed from the predetermined project bench mark and recorded at the beginning of each survey and at three hour intervals thereafter. If sizeable differences in top of water elevations are noted, using standards of practice, then adjustments will be made in the reduction of the field notes for final elevations.

The fathometer will be bar checked each day and adjusted to record accurate readings. The chart will be marked with an event mark along with a description of the mark at the predetermined horizontal position.

Those surveys not requiring a fathometer chart, a rod reading indicating the depth of water or the elevation of the water bottom will be taken at the predetermined horizontal point or position and recorded in the field book supplied by DOTD.

No survey will take place on those days or times that the water has significant chop that would compromise the integrity of the data. In the event that a passing boat causes a wake that would compromise the integrity of the data, the survey shall cease until the waters return to normal.

Digital photos will be taken to show debris around or against any part of the bridge structure, banks or revetment that have experience erosion or damage. The photo will be annotated to indicate the structure number, direction photo was taken, the date taken and the bent number where photo was directed.

A written report will be submitted on each survey. Remarks on the field conditions will be noted. Such things as broken pilings, water current, debris in water or banks, bank condition, range line obstructions (such as barges), reasons for incomplete survey and surrounding area will be documented.

A data sheet will be used for each bridge structure. The consultant will copy and format a sheet for each bridge. A data sheet will be completed for each bridge structure survey.

The consultant will deliver the hydrographic chart, field notes, digital photo's and final tabulation (Data) sheet with elevations within 7 days after the completion of the field work. In the event that debris is located around a pier or piling or significant changes to

the bottom, the photo and/or data will be sent to DOTD within 24 hours for review by the engineer.

The latest survey data will be used to field check newly acquired data. If acquired data appears non consistent with latest survey, the field crew will resurvey area of interest before departing from field. Surveys to fix faulty data will not be a paid item.

## **REFERENCES**

All services and documents will meet the standard requirements as to format and content of the DOTD; and will be prepared in accordance with the latest applicable editions, supplements and revisions of the following:

1. AASHTO Standards, ASTM Standards or DOTD Test Procedures
2. DOTD Location and Survey Manual
3. DOTD Roadway Design Procedures and Details
4. DOTD Hydraulics Manual
5. DOTD Standard Specifications for Roads and Bridges
6. Manual of Uniform Traffic Control Devices
7. DOTD Traffic Signal Design Manual
8. National Environmental Policy Act (NEPA)
9. National Electric Safety Code
10. National Electric Code (NFPA 70)
11. DOTD Environmental Impact Procedures (Vols. I-III)
12. Policy on Geometric Design of Highways and Streets
13. Construction Contract Administration Manual
14. Materials Sampling Manual
15. DOTD Bridge Design Manual
16. Consultant Contract Services Manual
17. Geotechnical Engineering Services Document
18. Bridge Inspectors Reference Manual
19. DOTD Stage 1 Manual of Standard Practice

## **COMPENSATION**

Compensation to the Consultant for services rendered in connection with each TO shall be based on negotiated work-hours using DOTD established billable rates for the actual work performed on the TO or on the basis of a non-negotiated lump sum amount prior to each TO being issued.

The amount payable under this Retainer Contract for services to be performed under the various TO's shall not exceed a maximum of **\$1,000,000**. Each TO shall be payable under the respective TO project number which shall be obtained by the Project Manager.

All travel related expenses will be compensated under direct expenses, and will be in accordance with Louisiana Office of State Travel regulations found at:

<http://www.doa.louisiana.gov/osp/travel/travelpolicy.htm>. Vehicle rental rates will require prior approval from the DOTD Project Manager.

### **CONTRACT TIME AND NOTICE TO PROCEED**

This Retainer Contract shall be in effect for the duration of **three years**. The services to be performed for each Task Order (TO) will be determined prior to the execution of the TO. The Consultant will proceed with the services required in the TO upon issuance of the Notice to Proceed from the DOTD. The contract time for each TO, will be specified in the executed TO. Any TO in effect, prior to the expiration date of the Retainer Contract shall be completed.

### **QUALITY CONTROL/QUALITY ASSURANCE**

The DOTD requires the Consultant to develop a Quality Control/Quality Assurance program; in order to provide a mechanism by which all contracted services can be subject to a systematic and consistent review. Consultants must ensure quality and adhere to established design policies, procedures, standards, and guidelines in the preparation and review of all design products. The DOTD shall provide limited input and technical assistance to the Consultant.

### **MINIMUM PERSONNEL REQUIREMENTS**

The following requirements must be met at the time of submittal:

1. At least one Principal of the Prime Consultant must be a Professional Land Surveyor registered in the State of Louisiana.
2. At least one Principal or other Responsible Member of the Prime-Consultant must be a Registered Professional Land Surveyor with at least five years experience in conducting topographic and property surveys, preparing right-of-way maps for DOTD and hydrographic surveys in rivers, lakes and bays.
3. In addition, the Prime Consultant must employ a corresponding support staff with at least five years experience and training in topographic, property and hydrographic surveys. The support staff must also have the necessary equipment to complete the above mentioned tasks.

### **EVALUATION CRITERIA**

The general criteria to be used by DOTD (when applicable) in evaluating responses for the selection of a Consultant to perform these services are:

1. Consultant's firm experience on similar projects, weighting factor of 3;
2. Consultant's personnel experience on similar projects, weighting factor of 4;
3. Consultant's firm size as related to the estimated project cost, weighting factor of 3;
4. Consultant's past performance on similar DOTD projects, weighting factor of 6;\*\*
5. Consultant's current work load, weighting factor of 5;

6. Location where the work will be performed, weighting factor of 4. \*

\*Location will be based from Marksville, Louisiana.

\*\*The Surveying (SV) performance rating will be used for this project.

Complexity level (**moderate**)

Consultants will be evaluated as indicated in Items 1- 6. The evaluation will be by means of a point-based rating system. Each of the above criteria will receive a rating on a scale of 0-4. Then the rating will be multiplied by the corresponding weighting factor. The firm's ratings in each category will then be added to arrive at the Consultant's final rating.

If Sub-Consultants are used, the Prime Consultant must perform a minimum of 51% of the work for the overall project. Each member of the Consultant/Team will be evaluated on their part of the contract, proportional to the amount of their work. The individual team member ratings will then be added to arrive at the Consultant/Team rating.

#### Communication Protocol

DOTD's Project Evaluation Team will be responsible for performing the above described evaluation, and will present a short-list of the three (if three are qualified) highest rated Consultants to the Secretary of the DOTD. The Secretary will make the final selection. **Below are the proposed Team members. DOTD may substitute for any reason provided the members meet the requirements of R.S. 48:291.**

1. Alan Dale – Ex officio
2. Joseph Arretteig – Project Manager
3. Eric Lanier
4. Keith Fournier
5. Bart Rumsey
6. Carl Hultgren

#### Rules of Contact (Title 48 Engineering and Related Services)

These rules are designed to promote a fair, unbiased, legally defensible selection process. The LA DOTD is the single source of information regarding the Contract selection. The following rules of contact will apply during the Contract selection process and will commence on the date of advertisement and cease at the contract execution by the selected firm. Contact includes face-to-face, telephone, facsimile, Electronic-mail (E-mail), or formal written communications. Any contact determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of the submittal (24-102):

- A. The Consultant shall correspond with the LA DOTD regarding this advertisement only through the LA DOTD Consultant Contracts Services Administrator;

- B. The Consultant, nor any other party on behalf of the Consultant, shall not contact any LA DOTD employees, including but not limited to, department heads; members of the evaluation teams; and any official who may participate in the decision to award the contract resulting from this advertisement except through the process identified above. Contact between Consultant organizations and LA DOTD employees is allowed during LA DOTD sponsored one-on-one meetings;
- C. Any communication determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of submittal, at the sole discretion of the LA DOTD;
- D. Any official information regarding the project will be disseminated from the LA DOTD'S designated representative on the LA DOTD website. Any official correspondence will be in writing;
- E. The LA DOTD will not be responsible for any verbal exchange or any other information or exchange that occurs outside the official process specified herein.

**By submission of a response to this RFQ, the Consultant agrees to the communication protocol herein.**

### **CONTRACT REQUIREMENTS**

The selected Consultant will be required to execute the contract within 10 days after receipt of the contract.

**INSURANCE** - During the term of this contract, the Consultant will carry professional liability insurance in the amount of \$1,000,000. This insurance will be written on a "claims-made" basis. Prior to executing the contract, the Consultant will provide a Certificate of Insurance to DOTD showing evidence of such professional liability insurance.

**AUDIT** - The selected Consultant will allow the DOTD Audit Section to perform an annual overhead audit of their books, or provide an *independent* Certified Public Accountant (CPA) audited overhead rate. This rate must be developed using Federal Acquisition Regulations (FAR) and guidelines provided by the DOTD Audit Section. In addition, the Consultant will submit semi-annual labor rate information, when requested by DOTD.

The selected Consultant will maintain, an approved Project Cost System and segregate direct from indirect cost in their General Ledger. Pre-award and post audits, as well as interim audits, may be required. For audit purposes, the selected Consultant will maintain accounting records for a minimum of five years after final contract payment.

Any Consultant currently under contract with the DOTD and who has not met all the audit requirements documented in the manual and/or notices posted on the DOTD



Consultant Contract Services Website ([www.dotd.louisiana.gov](http://www.dotd.louisiana.gov)), will not be considered for this project.

### **SUBMITTAL REQUIREMENTS**

One original (**stamped “original”**) and **five** copies of the DOTD Form 24-102 must be submitted to DOTD. All submittals must be in accordance with the requirements of this advertisement and the Consultant Contract Services Manual. Any Consultant/Team failing to submit any of the information required on the 24-102, or providing inaccurate information on the 24-102, will be considered non-responsive.

Any Sub-Consultants to be used, including Disadvantaged Business Enterprises (DBE), in performance of this Contract, must also submit a 24-102, which is completely filled out and contains all information pertinent to the work to be performed.

The Sub-Consultant’s 24-102 must be firmly bound to the Consultant’s 24-102. In Section 8, the Consultant’s 24-102 must describe the **work elements** to be performed by the Sub-Consultant(s), and state the approximate **percentage** of each work element to be subcontracted to each Sub-Consultant.

Name(s) of the Consultant/Team listed on the 24-102, must precisely match the name(s) filed with the Louisiana Secretary of State, Corporation Division, and the Louisiana State Board of Registration for Professional Engineers and Land Surveyors.

The DOTD Form 24-102 will be identified with **Contract No. 4400002862**, and will be submitted **prior to 3:00 p.m. CST on Monday, April 2, 2012**, by hand delivery or mail, addressed to:

Department of Transportation and Development  
Attn.: Mr. Alan Dale, P.E.  
Contracts Administrator  
1201 Capitol Access Road, **Room 405-T**  
Baton Rouge, LA 70802-4438 or  
Telephone: (225) 379-1401

### **REVISIONS TO THE RFQ**

DOTD reserves the right to revise any part of the RFQ by issuing an addendum to the RFQ at any time. Issuance of this RFQ in no way constitutes a commitment by DOTD to award a contract. DOTD reserves the right to accept or reject, in whole or part, all Qualification Statements submitted and/or cancel this announcement if it is determined to be in DOTD’s best interest. All materials submitted in response to this announcement become the property of DOTD and selection or rejection of a submittal does not affect this right. DOTD also reserves the right, at its sole discretion, to waive administrative informalities contained in the RFQ.